

rCat v0.1 Program for Relational Semantics

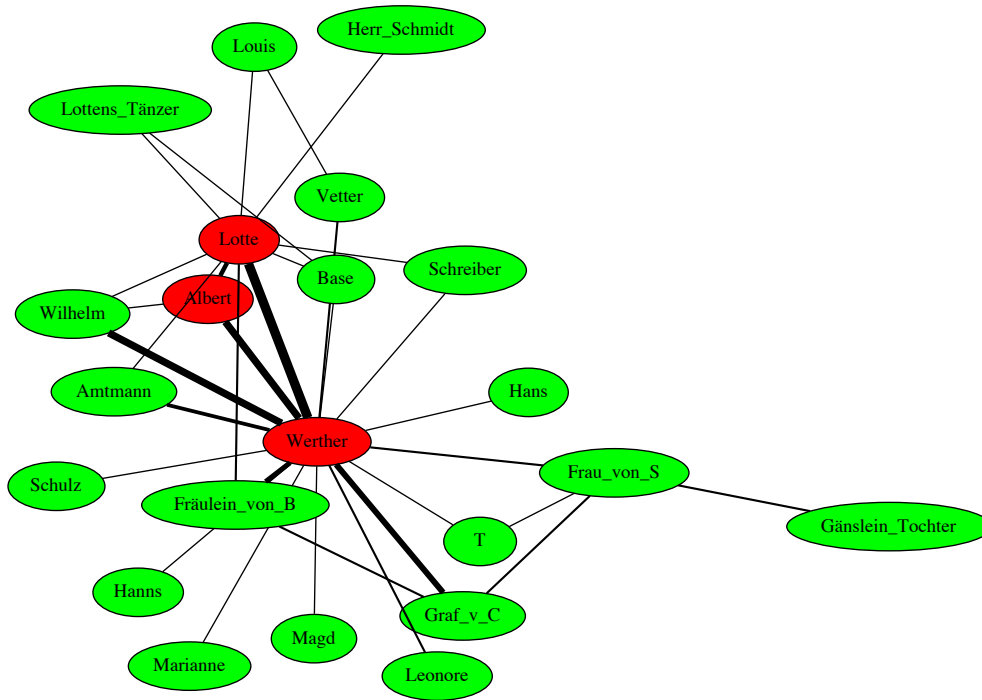


Figure 1: Network

1 Data Input

- analyzed text: "Goethe_Die_Leiden_des_jungen_Werthers_1774.txt"
- length of text: 35186 tokens
- number of characters (with at least one degree): 22
- distance measure: 8
- context measure 1 (words before Character 1): 5
- context measure 2 (words after Character 2): 5

2 Network Parameters

- average degree: 3
- sd degree: 3.6774732526300613
- density: 0.14285714285714285

Degrees

Character (Node)	degree	weighted degree
Werther	17	256
Lotte	10	139
Albert	3	51
Wilhelm	3	44
Vetter	2	3
Magd	1	1
Schreiber	2	2
Hans	1	1
Marianne	1	1
Graf v. C.	3	24
Louis	2	2
Gänslein Tochter	1	2
Hanns	1	1
Amtmann	2	7
Base	3	3
Lottens Tänzer	2	2
Frau von S . .	4	7
T . .	2	2
Fräulein von B . .	3	16
Herr Schmidt	1	1
Leonore	1	2
Schulz	1	1

Weights for Edges

Character Pair (Edge)	Weight
Werther -- Lotte	121
Werther -- Albert	41
Werther -- Wilhelm	42
Werther -- Vetter	2
Werther -- Magd	1
Werther -- Schreiber	1
Werther -- Hans	1
Werther -- Marianne	1
Werther -- Graf v. C.	20
Werther -- Hanns	1
Werther -- Amtmann	6
Werther -- Base	1
Werther -- Frau von S . .	2
Werther -- T . .	1
Werther -- Fräulein von B . .	12
Werther -- Leonore	2
Werther -- Schulz	1
Lotte -- Albert	9
Lotte -- Wilhelm	1
Lotte -- Schreiber	1
Lotte -- Louis	1
Lotte -- Amtmann	1
Lotte -- Base	1
Lotte -- Lottens Tänzer	1
Lotte -- Fräulein von B . .	2
Lotte -- Herr Schmidt	1
Albert -- Wilhelm	1
Vetter -- Louis	1
Graf v. C. -- Frau von S . .	2
Graf v. C. -- Fräulein von B . .	2
Gänslein Tochter -- Frau von S . .	2
Base -- Lottens Tänzer	1
Frau von S . . -- T . .	1

3 Word Cloud for single characters



Figure 2: word cloud of "Werther"

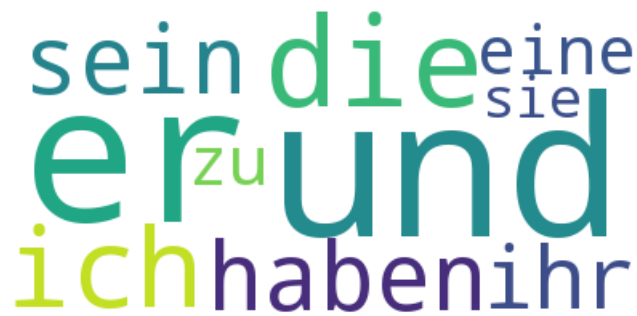


Figure 3: word cloud of "Lotte"



Figure 4: word cloud of "Albert"

4 Word Cloud for character pairs

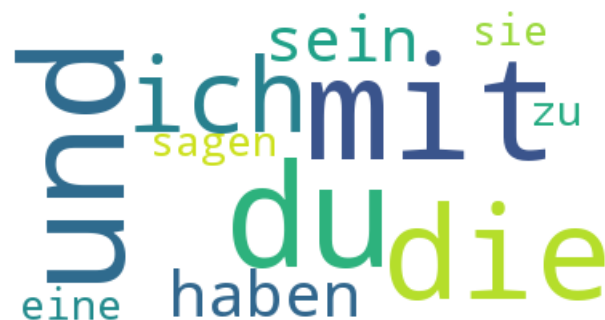


Figure 5: word cloud of "Werther -- Lotte"

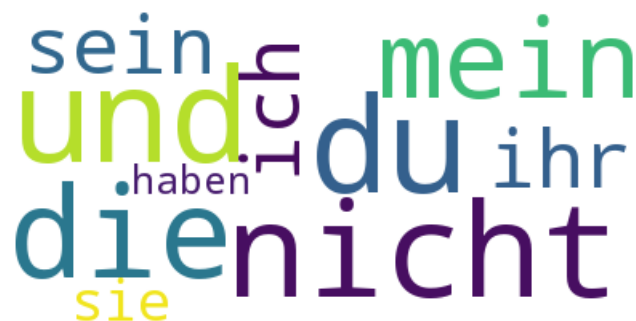


Figure 6: word cloud of "Werther -- Wilhelm"



Figure 7: word cloud of "Werther -- Albert"

rCat, v.0.1

This program is developed by Dr. Roman Klinger, Sandra Murr, Evgeny Kim and Florian Barth. It is part of the Center for Reflected Text Analytics (CRETA) at the University of Stuttgart.

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